

ABSTRACT OF THE DISCLOSURE

The present invention relates to combustion engine with a displacement H and with a downstream catalytic converter (2) for cleansing exhaust gas, wherein the catalytic converter (2) has a geometric surface O, and the catalytic converter (2) has an effectiveness E for converting at least one harmful component in the exhaust gas into harmless components, and is provided with at least one honeycomb body (3), and wherein all the honeycomb bodies (3) together have a total volume V. According to the invention, the volume V is selected such that it is smaller by a factor of 0.6 than the displacement H, and the geometric surface O is then, however, dimensioned such that the catalytic converter (2) has an effectiveness E of more than 98%. The honeycomb body (3) is preferably a metallic honeycomb body (3) of layered and/or wound, and at least in part structured sheet metal layers (6, 7), the channels (4) of which are separated from one another by channel walls (5), the average thickness (d) of which is at the most 40 micrometres, preferably at the most 35 micrometres, and particularly between 18 and 32 micrometres, wherein the number (A) of channels (4) of the honeycomb body (3) over a cross-section through the honeycomb body (3) is at least 600 cpsi. In this way small volume, particularly cost-effective honeycomb bodies can be made available.